

Title (en)

NETWORK-SIDE DEVICE, USER EQUIPMENT AND BLIND AREA MANAGEMENT METHOD

Title (de)

NETZSEITIGE VORRICHTUNG, BENUTZERGERÄT UND TOTWINKELVERWALTUNGSVERFAHREN

Title (fr)

DISPOSITIF CÔTÉ RÉSEAU, ÉQUIPEMENT UTILISATEUR ET PROCÉDÉ DE GESTION DE ZONE DE SILENCE

Publication

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Application

EP 15869196 A 20151127

Priority

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Abstract (en)

[origin: EP3217721A1] The present invention discloses a network-side device, user equipment, and a blind area management method, so as to enable user equipment in a blind area in a high-frequency communications system to restore normal communication as quickly as possible. The network-side device includes a receiving module configured to receive measurement information sent by user equipment, a determining module configured to determine a status of the user equipment according to the measurement information, and a blind area state processing module. The blind area state processing module starts a quick beam search process when the user equipment is in a beam biased state, so as to find a new beam pair capable of converting the user equipment to a normal communication state; converts the status of the user equipment to a blocked state if no new beam pair capable of converting the user equipment to the normal communication state is found within a preset time; and when the status of the user equipment is the blocked state, instructs the user equipment to break a high-frequency connection, and enables the network-side device to perform data communication with the user equipment by using a low frequency band.

IPC 8 full level

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Designated contracting state (EPC)

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